XLVII. *An Account of a remarkable Echinus:* *By* Guſtavus Brander, *Eſq*; *F. R. S.*

Read Dec. 11, 1755. THIS echinus is of a very ſingular ſpecies. It appears to me to be of a middling nature between the echinus and the ſtar-fiſh. It comes from the iſland of Bourbon in the Eaſt-Indies; and I cannot learn, that it is any where deſcribed. (PLATE VIII. *Fig.* 3.)

XLVIII. *An Account of the Impreſſion on a Stone dug up in the Iſland of* Antigua, *and the Quantity of Rain fallen there for Four Years: In a Letter from the Reverend Mr.* Francis Byam *to* William Fauquier, *Eſq*; *F. R. S.*

Dear Brother, Antigua, March 31, 1755.

Read Dec. 11, 1755. AS you have the honour to be a member of the Royal Society, I have ſent you, by Captain Barrett, in a box directed for you, what I eſteem to be a great curioſity. It is a ſtone, that was brought from a quarry, for a building in the town: the quarry is in the ſide of a mountain, and is about three hundred yards higher than high-water mark, and about two miles from the ſea. When the maſon ſtruck it with his hammer, it ſplit in two, and diſcovered the exact portraiture of a fiſh (on each ſtone) which we call an old wife. (PLATE IX.) I have likewiſe ſent you an account of the quantity of rain, that has fallen in this place for four years laſt paſt.

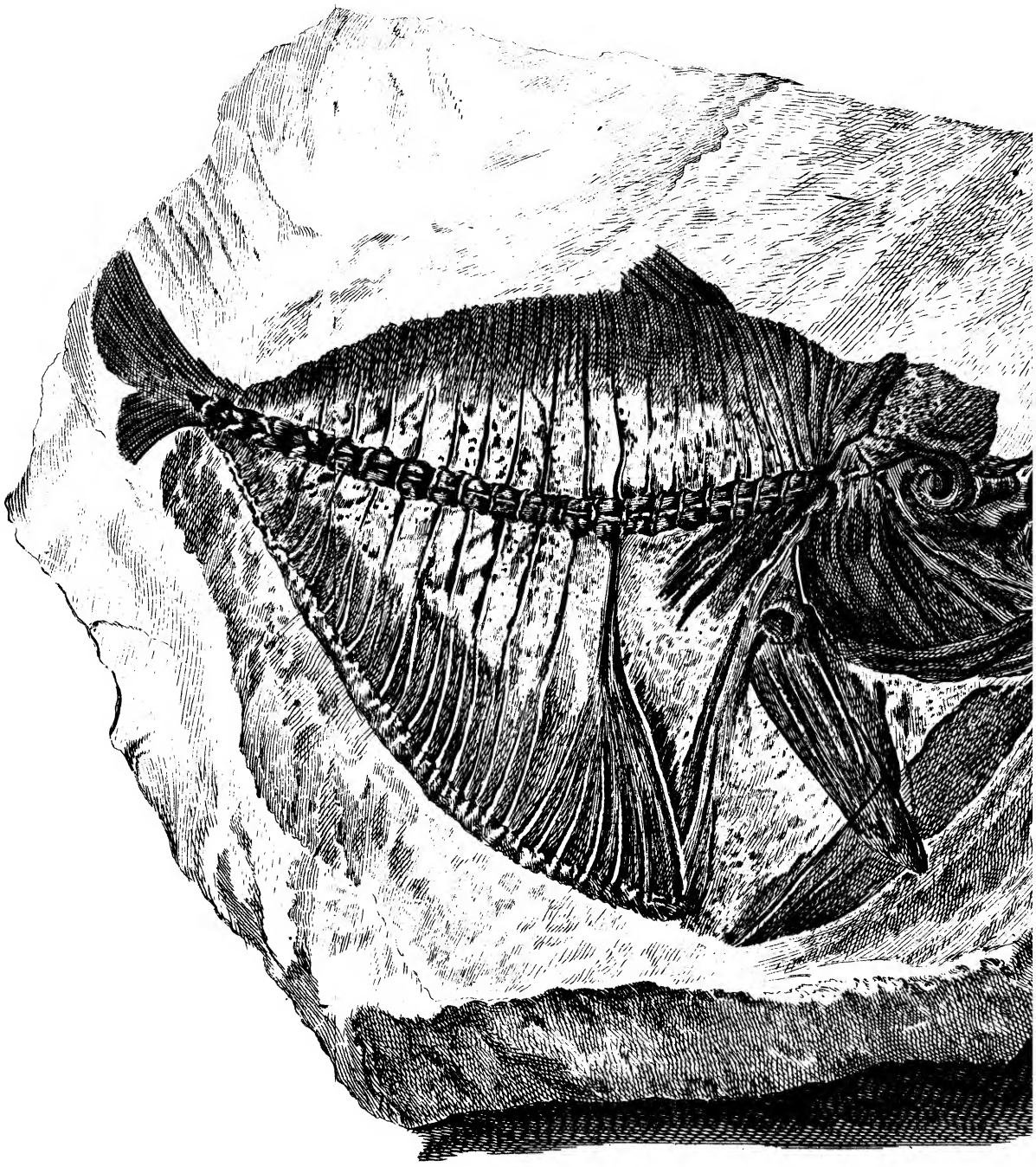
paſt. Had I had ſuch an inſtrument, as Mr. Derham had, to meaſure the hundredth part of an inch, it would have increaſed the quantity greatly; but I have only taken notice of it when it amounted to the tenth part of an inch. My inſtrument is very ſimple and plain; it is a tin veſſel about thirteen inches high, the aperture at top is four inches and an half ſquare, the bottom the ſame; the oppoſite ſides parallel to each other. It ſtands in my garden, free from the drippings of any trees or houſes, and raiſed upon a pedeſtal about two feet from the ground. You will obſerve a × in September 51, and September 54. In theſe months we had hurricanes. If any thing of this kind would be agreeable to you, or the Society, I ſhall take great pleaſure in communicating them, when in my power. I am, dear brother,

March 31, 1755. Your affectionate brother,

F. Byam.

A TABLE of the Rain, which has fallen in Antigua, from 1751 to 1754.

1751	Inch.	Tenths	1752	Inch.	Tenths	1753	Inch.	Tenths	1754	Inch.	Tenths
Jan.	2	6	Jan.	0	6	Jan.	3	1	Jan.	0	8
Feb.	1	5	Feb.	0	0	Feb.	1	7	Feb.	1	0
March	2	1	March	3	2	March	3	2	March	2	8
April	2	5	April	0	0	April	2	2	April	2	1
May	7	2	May	0	0	May	2	1	May	6	3
June	4	3	June	8	7	June	2	3	June	9	9
July	8	4	July	2	9	July	2	8	July	6	3
Aug.	3	6	Aug.	10	0	Aug.	5	1	Aug.	7	0
Sept. ×	6	2	Sept.	5	6	Sept.	3	9	Sep. ×	14	0
Octo.	4	8	Octo.	4	8	Octo.	4	3	Oct.	11	2
Nov.	3	9	Nov.	2	8	Nov.	0	8	Nov.	6	6
Dec.	4	7	Dec.	4	7	Dec.	1	3	Dec.	7	2
	51	8		43	3		32	8		75	2



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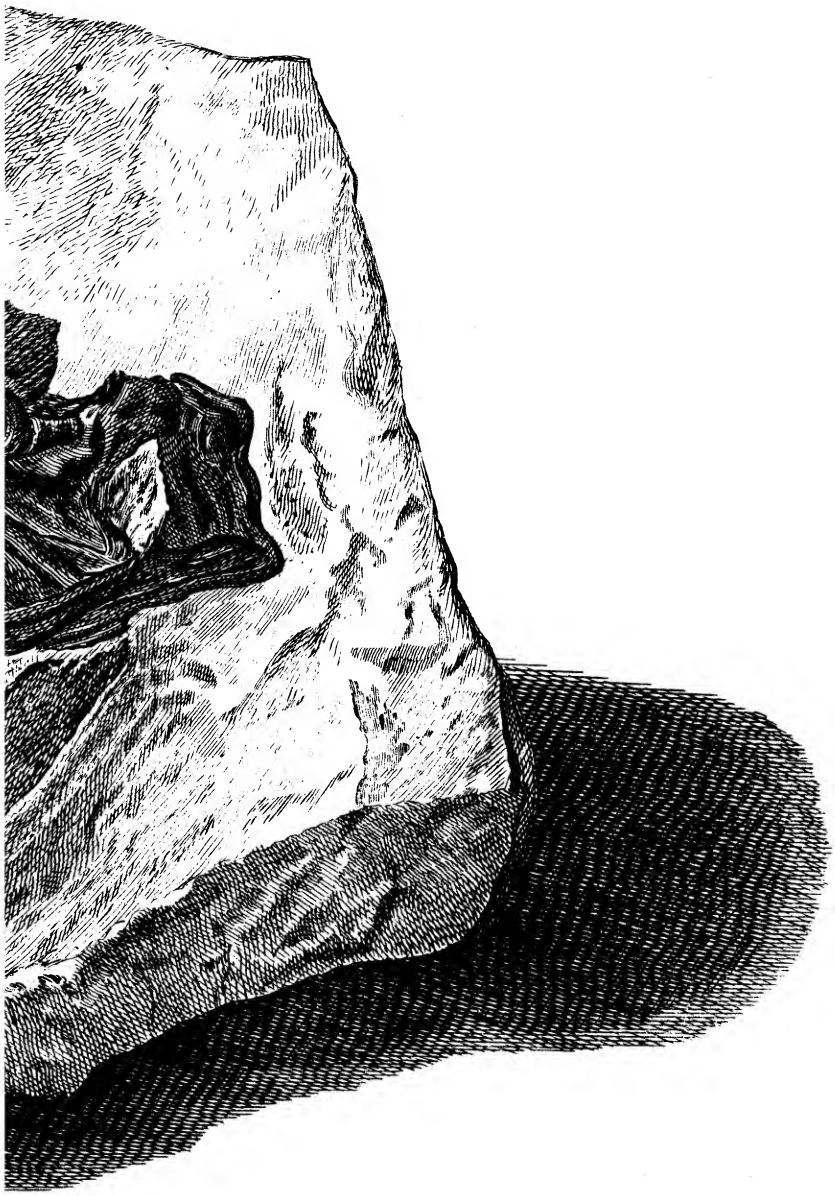
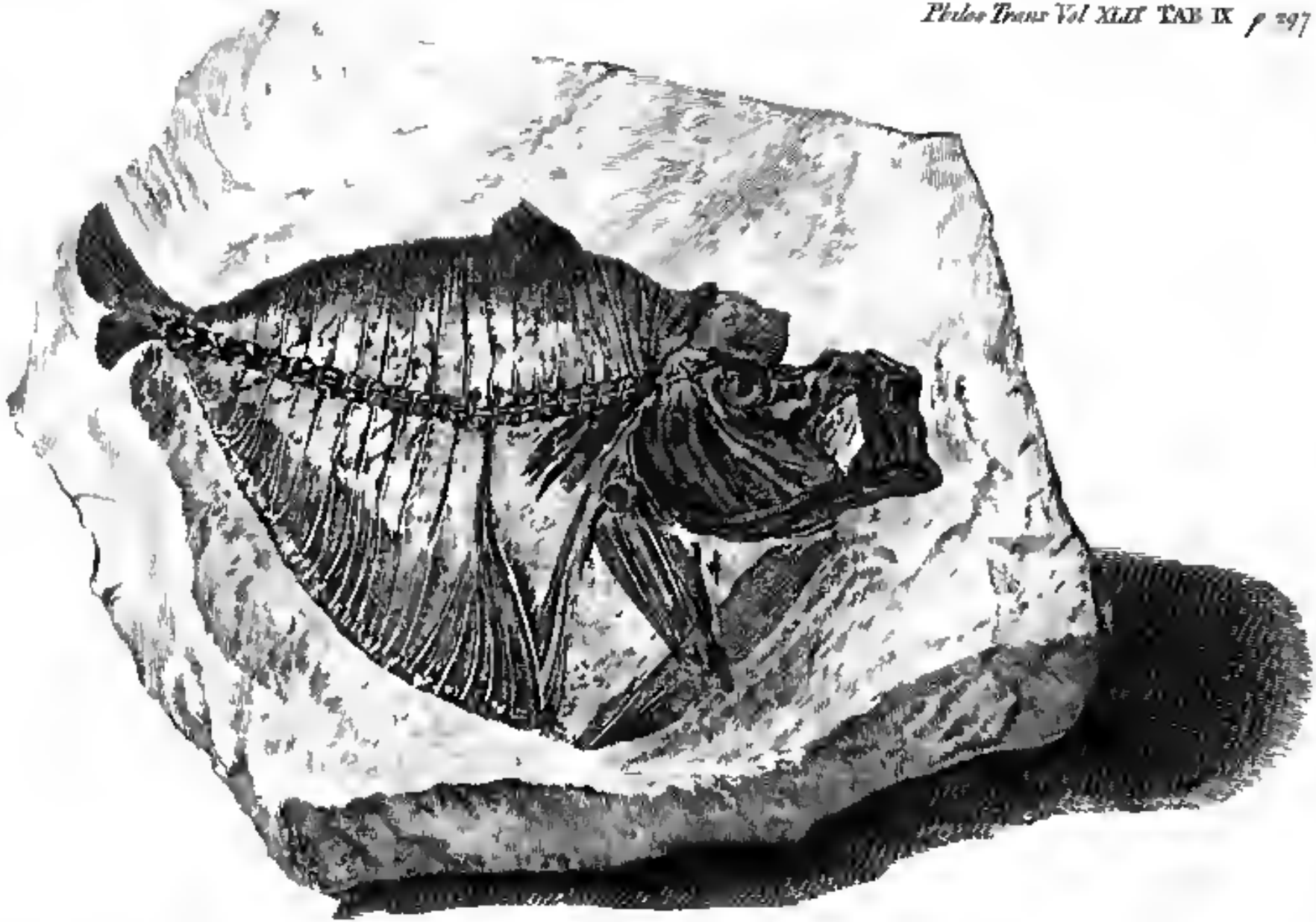
J. Mynde Sculp.